

From owner-qrp-1@netcom.com Sun Oct 9 18:40:28 1994
Date: Sun, 9 Oct 1994 14:46:51 -0600 (MDT)
From: "James P. Rybak" "
<jrybak@mesa5.mesa.colorado.edu>
Subject: re:"Measuring RF Chokes"
Message-Id: <Pine.3.89.9410091407.A6177-0100000@mesa5.mesa.colorado.edu>

I should have said that I know (think?) that the silver band on the choke means +/- 10% tolerance, not 5%.

Jim W0KSD

From owner-qrp-1@netcom.com Sun Oct 9 18:09:40 1994
Date: Sun, 9 Oct 1994 14:40:52 -0600 (MDT)
From: "James P. Rybak" "
<jrybak@mesa5.mesa.colorado.edu>
Subject: Book Info
Message-Id: <Pine.3.89.9410091445.B3884-0100000@mesa5.mesa.colorado.edu>

I want to obtain (buy) the following out of print book:

TECHNICAL DEVELOPMENT OF TELEVISION
edited by George Shiers

Can anyone help me?

73, Jim W0KSD

From owner-qrp-1@netcom.com Sun Oct 9 03:33:42 1994
From: jeffrey@math.hawaii.edu
Date: Sat, 8 Oct 94 19:22:48 HST
Message-Id: <9410090522.AA08034@cruncher.math.hawaii.edu>
Subject: drilling glass

Gang,

Anyone ever drilled through glass? I run a long wire into the shack and rather than using a board to feed the antenna wire through I was considering drilling a very small hole through the bedroom window. Only one hole will need to be drilled since I run the outside ground wire to the outside of the window frame, and all my interior ground wires to the inside of the frame, so the frame itself acts as a grounding bulkhead. Thus, I only need to drill a single hole through the window. (yes, the outside ground wire is disconnected during inclement WX!)

Just received a complimentary copy of DOTS AND DASHES from someone on the net; this journal is for the OT landline telegraph ops. Apparently these folks have a telephone network set up so they can hook up their telegraph sounders and keys and have landline QSO's - they're using today's telephone lines to emulate the telegraph lines of yesteryear! Amazing. This journal is the voice of the MORSE TELEGRAPH CLUB, INC. organized 1942. If anyone is interested contact R.A. Iwasyk, 12350 W. Offner Rd., Manhattan, IL 06442. They speak American Morse.

73 from Beautiful Hawaii,
Jeff NH6IL

From owner-qrp-l@netcom.com Sun Oct 9 05:12:01 1994
From: haynes@cats.ucsc.edu (Jim Haynes)
Date: Sun, 9 Oct 1994 00:00:02 -0700
Message-Id: <199410090700.AAA28705@sasha.ucsc.edu>
Subject: Re: drilling glass

There's some interesting stuff about drilling a small hole through glass from no less than Charles Babbage. There was a time in his life when he had a carriage built that he could live in, sorta the 19th century equivalent of an RV or camper shell. He traveled all over Britain and Continental Europe visiting manufacturing places. (Try that today, when every manufacturer has its trade secrets behind locked doors, and if it isn't trade secrets it's fear of a visitor getting hurt and suing.) He then wrote a book about the "economy of manufactures", more or less an industrial engineering book before there was such a thing as industrial engineering (and before he became better known for his Analytical Engine).

I don't have his book here, so I can't quote him, but he said something to the effect that he could often get into a shop by asking the machinist if he knew how to drill a hole in a piece of window glass. The machinist would say of course he did, and would proceed to demonstrate whatever he thought would work, usually breaking several panes of glass before giving up. Then Babbage would show him how to do it. As I recall, the technique was to put something like a center punch point-up in a vise, have someone hold the glass over it, and then put another punch point-down right over the first one. Tapping on the upper punch would soon make a little hole through the glass without breaking the sheet. He recommended everybody (in his social class) learn this little trick as a way of gaining friendship and respect from machinists.

If you get really stumped write again and I'll go to the library and see exactly what Dr. Babbage had to say. Meanwhile, I wouldn't try it on your window until you practice on some scrap glass first.

From owner-qrp-l@netcom.com Sun Oct 9 05:27:34 1994
From: jeffrey@math.hawaii.edu
Date: Sat, 8 Oct 94 21:24:27 HST
Message-Id: <9410090724.AA08047@cruncher.math.hawaii.edu>
Subject: re: drilling glass

The title of that book is ON THE ECONOMY OF MACHINERY AND
MANUFACTURES by Charles Babbage written in 1832; ISBN
number is TJ153.B12. Sounds like very interesting reading!

Jeff NH6IL

From owner-qrp-l@netcom.com Sun Oct 9 14:36:05 1994
Date: Sun, 9 Oct 94 06:45:14 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9410091645.AA11313@kahuna.math.hawaii.edu>
Subject: how far with 1mW and 1W

A thread over on UseNet rec.radio.amateur.misc has started titled
How Far With 1mW and 1W? Please write up your *best* QRP and QRPp
story and post it to that group - it's estimated there are over
50,000 readers worldwide on there. Just think of the interest
we could spark! Mike C., WA8MCQ posted an article today.
[Recall last week I brought a couple of the articles from there
over to here.]

73 from Warm and Sunny Hawaii,
Jeff NH6IL

From owner-qrp-l@netcom.com Mon Oct 10 00:20:32 1994
From: mikey@rolf.stat.uga.edu (Michael Raymond Allen)
Message-Id: <9410100212.AA19712@rolf.stat.uga.edu>
Subject: Joe Gervais
Date: Sun, 9 Oct 1994 22:11:59 -0400 (EDT)

Joe,

If you mailed me anything since Thursday, October 6, 1994, I did
not get it. We had a malfunction here and my file was overloaded.
(Sorry about the double ww's) Anyway, please resend me any messages you
had for me and I will get back to you. thanks.

73,
Mike <==> KD4KCD

From owner-qrp-l@netcom.com Sun Oct 9 18:29:28 1994
Date: Sun, 9 Oct 1994 14:37:24 -0600 (MDT)
From: "James P. Rybak" <jrybak@mesa5.mesa.colorado.edu>
Subject: Measuring RF Chokes
Message-Id: <Pine.3.89.9410091311.A3884-01000000@mesa5.mesa.colorado.edu>

I have some small value molded rf chokes in the 10 to 100 microhenry range. When checking them with my BK model 875A LCR meter, the meter readings generally are 20 to 30% higher than the values marked on the chokes. The meter makes the measurements at a frequency of 1 kHz. Is the construction of molded chokes such that the values are "high" at low frequencies and decrease at rf frequencies? The fundamental accuracy of my LCR meter is +/- 2% of the reading plus one digit. This is not enough to explain the 20-30% high readings I am getting for theses molded chokes. Also, I have verified my LCR meter's accuracy on air-wound coils.

In a related matter, I need a little info concerning the color code used on the molded chokes. On a 6.8 microhenry choke, the color code is blue-gray-gold-silver. OK, the blue and gray give me the two significant digits and the silver means +/- 5% tolerance, but the gold stripe seems to mean E-07 (68E-07 is the same as 6.8E-06) I am using "E" to represent the power of 10. Is that how you read these things? The new ARRL Handbooks don't talk about color codes for chokes and the old Handbooks discuss a totally different color code for inductors.

Thanks for any help you can provide.

73, Jim W0KSD

From owner-qrp-l@netcom.com Sun Oct 9 13:23:15 1994
Date: Sun, 9 Oct 94 10:46:27 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9410091546.AA16913@chuck.dallas.sgi.com>
Subject: Sierra alive and well

Well, gang, got the part and fired it up. Worked first time and all 40M module only so far.

Will shake it down this evening (Sun) and let you know. Worked for good cause yesterday in Dallas, so didn't get a chance to work on it then.

Looks like another winner Wayne!!!

dit dit

p.s. If you aren't an expert on toroids when you start this rig, you will be when you get through.

SIG

Chuck Adams K5FO CP-60
adams@sgi.com

From owner-qrp-l@netcom.com Sun Oct 9 03:00:36 1994
Subject: Sierra on the air
Date: Sat, 8 Oct 94 22:13:21 PDT
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>
Message-Id: <9410082213.aa06844@cruzio.com>

Well gang, got my Seirra on the air tonite after a very easy tune-up. Amazing, everything worked the way it was supposed to the very first time.

I built the 40 m band module first as I wanted to compare it the Nor-Cal 40 . It seems as good, maybe better , but only 2 qso's to date so the jury is still out.

The first qso was with Eric, wa6hhq who lives about 5 miles from me , so that wont qualify for the 1000 mile/ watt, but the next q was a station in NB, still no award, but had a fine qso with Rich until the ssb'ers on 7050 got to loud for my 2 watts to cut through.

I'll try to find some dx later tonite and see how it gets through.

Tomorrow I hope to get 20 meters on the air.

Hope to cu on the hf bands, 73/72

--

Stan , N6ULU

From owner-qrp-l@netcom.com Mon Oct 10 00:33:20 1994
Date: Sun, 9 Oct 94 21:08:00 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9410100208.AA17321@chuck.dallas.sgi.com>
Subject: Sierra Xcvr 40M

Well, hooked up the battery and keyer and antenna.

First CQ outta the bag netted an IL station on one call.

I got 579 report with my 0.95W out. Since there was an IL

contest going on, I moved up and down around 7.050 and worked two other stations in IL - they were giving out the contest 599 values, but I did get them both with one call.

Later came back and worked WVA. So now up to 2 states on 40M with 0.95W (my magic number) and this is with GP and not the long wire. I did find in checkout phase on dummy load the max out was 1.25W, but they may be just not enuff tweaking on my part. I'll burn rig in a few days and then come back and do a fine tune to see if any changes. Others with the new Sierra may drop me a line and tell me what you get. Give me a freq and time and I'll try to meet you on 40M. Will do 30M and 20M later in the week. Winding 8 toroids takes some time. I rewound one toroid 3 times!!! It was my own fault. I kept using the 30M chart and it was very early in the morning. :-) At least that's my excuse this time. Alignment was straight forward and relatively simple. I did mine without the scope, but did use Heath IM-2410 freq meter which is more sensitive than the Optoelectronics critter.

So my first impressions of the rig are good. It has plenty of audio power driving the Sony Walkman WM-10 headphones, my favorite. Background hiss is very similar to that of the NN1G NE40-40 rig - at least that again is my first impression. I'd guess this from the use of the NE602 and MC1350 combo. Wayne uses a trick in the Cohn filter that I first saw used by Bruce William WA6IVC on the new xcvr where there is a series LC to and from the filter. It works great on selectivity and BC rejection. Receiver seems to be very sensitive and I can hear weak signals in the noise level. I just barely have the audio gain cracked and don't want to ruin my ears by going any higher with full RF gain on the receiver. No drift from cold start just like the NorCal 40 and certainly a more sensitive receiver than what I remember from the NorCal 40.

I'm going to leave it to the multitudes to do the detailed analysis, as my schedule now tighten ups an order of magnitude with work this week and then travel. The rig goes with me with the gel cell (4Ahr) and keyer until I can get the CMOS II mounted internally.

BAND ST WKD

40M 2

Let the games begin.

dit dit

SIG

Chuck Adams K5FO CP-60
adams@sgi.com

From owner-qrp-l@netcom.com Mon Oct 10 00:22:06 1994
Date: Sun, 9 Oct 1994 20:21:17 -0600 (MDT)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: subscribe
Message-Id: <Pine.3.89.9410092005.A23608-01000000@ume>

subscribe qrp

From owner-qrp-l@netcom.com Sun Oct 9 13:45:05 1994
Date: Sun, 9 Oct 1994 09:41:21 -0600 (MDT)
From: Robert Cutter <bcutter@csn.org>
Subject: Re: THE MILLIWATT -- what is it? what's in it?
Message-Id: <Pine.3.89.9410090917.A5325-01000000@teal.csn.org>

Good review Ade, makes us all proud to be a small part of it.

72, Bob KI0G